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PART I

Punjab Government Notifications and Orders

GOVERNMENT OF PUNJAB

DEPARTMENT OF SCIENCE, TECHNOLOGY & ENVIRONMENT

(STE Branch)

NOTIFICATION

The 14th August, 2025

No. STE-STEB013/2/2025-STE4/578.-In order to maintain ecological balance, prevent environmental degradation and to avoid human health hazard and to regulate environmental pollution in the State, it is necessary and expendient to take steps under sections 5,6 and 7 of the Environment (Protection) Act, 1986 and Rules framed there under for the location, procedures and for providing remedial measures for Tyre Pyrolysis Oil units;

Whereas, number of units using pyrolysis process for the extraction of fuel oil from waste rubber tyres have been set up in the State and there have been public complaints regarding pollution being caused by such units;

And whereas, after considering the pollution potential from these units engaged in the processes for manufacturing of fuel oil, carbon black and gas by using old/used tyre waste plastic and rubber as raw material with pyrolysis process, it was felt necessary that uniform guidelines for the siting as well as pollution abatement/ safety measures to be adopted by these units are framed;

And whereas, on the basis of the recommendations made by the committee comprising of Experts in the field and after obtaining comments from the stakeholder departments, the Government of Punjab, Department of Science, Technology and Environment vide order dated 15.10.2014 had issued guidelines for siting of the waste tyre based pyrolysis Plants and pollution preventions/safety measures to be adopted by such units in the State. As per the said order, apart from other stipulations, such projects are required to obtain site clearnce from the Site Appraisal committee (SAC)/Department of Factories under the Factories Act, 1948 irrespective of the location of unit;

And whereas, the Ministry of Environment, Forest and Climate Change, Government of India, vide office memorandum no. F.no. 23-61/2015-HSMD dated 24.11.2015 has issued Standard Operating Procedures (SOP's) including that for recovery of Tyre Pyrolysis Oil (TPO) from tyre scrap;

And whereas, in compliance to orders dated 25.04.2019 of Hon'ble National Green Tribunal (NGT) passed in the matter of O.A. No. 400 of 2019, the Central Pollution Control Board (CPCB) has issued directions u/s 5 of the Environment (Protection) Act, 1986 to State Pollution Control Boards including Punjab Pollution Control Board (PPCB) on 30.12.2019 for regulating the location of Tyre Pyrolysis industries in light of carrying capacity of the area. Accordingly, PPCB vide office order no. 491 dated 22.09.2021 constituted a Technical Committee under the Chairmanship of Sh. J.S Kamyotra, former Member Secretary, CPCB, [Technical Expert, Air Pollution and Adminstrative matters of PPCB] to prepare a mechanism for assessing the carrying of area viz a viz pyrolysis plant and also for safeguarding the health of workers;

And whereas, in compliance to the orders dated 06.01.2020 and 25.10.2021 passed by the Hon'ble NGT in OA no. 400 of 2019, the CPCB after consideration of the matter has issued revised Standard Operating Procedure (SOP) on 16.01.2024 for Recycling of Waste Tyre Scrap for the recovery of Tyre Pyrolysis Oil, Pyro Gas, steel and Char in Tyre Pyrolysis Oil (TPO) Units. The SOP includes siting criteria, carrying capacity, threshold limits for TPO, minimum requirement for environmentally sound operation and safety measures to be adopted by Advanced Batch Automated Process (ABAP) and Continuous Tyre Pyrolysis Process alongwith general conditions;

And whereas, CPCB subsequently vide letter dated 20.03.2024 has requested PPCB for implementation of revised SOP's and to ensure Zero Liquid Discharge (ZLD) and general gaseous emission standards while issuing Consent to Establish & Operate under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, to Tyre Pyrolysis Oil units on the basis of the observations made by the Hon'ble National Green Tribunal vide order dated 19.01.2024 passed in Execution Application No. 39 of 2023 filed in OA no. 400 of 2019;

And whereas, the Technical Committee consituted by Board, after deliberations in the matter, has recommended that new SOPs prescribed by CPCB shall be implemented for new/ expansion projects of Tyre Pyrolysis Oil units (TPOs), however, specific locational requirements and provisions for obtaining Site Approval before the establishment/expansion of Tyre Pyrolysis Unit from the Site Appraisal Committee (SAC) as mentioned in the order dated 15.10.2024 of the Government of Punjab, Department of Science, Technology and Environment, shall continue as per the procedure already laid;

And whereas, the Central Pollution Control Board vide letter F.No. B-29016/1 (NGT)/24-25/WM-III Division/959 dated 29.04.2025 has issued directions under Section 5 of the Environment (Protection) Act, 1986 to the PPCB to ensure the implementation of the revised SOPs for Recycling of waste scrap for the recovery of Tyre Pyrolysis Oil, Pyro Gas and Char in Tyre Pyrolysis Oil (TPO) units dated 16.01.2024;

Now, considering all the facts and circumstances of the case, the Government of Punjab after consultation with the Punjab Pollution Control Board has decided that the Standard Operation Procedure (SOP) issued by Central Pollution Control Board on 16.01.2024 in compliance to the orders passed by the Hon'ble National Green Tribunal in OA no. 400 of 2019 for Recycling of Waste Tyre Scrap for the recovery of Tyre Pyrolysis Oil, Pyro Gas, Steel and Char in Tyre Pyrolysis Oil (TPO) Units shall be implemented in the State. However, the Specific locational requirements and provision for obtaining Site Approval before the establishment/expansion of tyre pyrolysis unit from the Site Appraisal Committee (SAC) as mentioned in the order dated 15.10.2024 of the Governement of Punjab, Department of Science, Technology and Environment shall remain unchanged. A copy of SOP dated 16.01.2024 issued by the CPCB is attached herewith.

This notification is issued in the supersession of order dated 15.10.2014 of the Government of Punjab,

Department of Science, Technology and Enviroment on the subject matter of Tyre Pyrolysis Oil units and shall come into force with immediate effect in the State of Punjab.

This is issued with the approval of the Hon'ble Chief Minister, Punjab.

Sd/-

(PRIYANK BHARTI, IAS)

Secretary to Government of Punjab,

Department of Science, Technology & Environment

Chandigarh

The 12th August, 2025

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